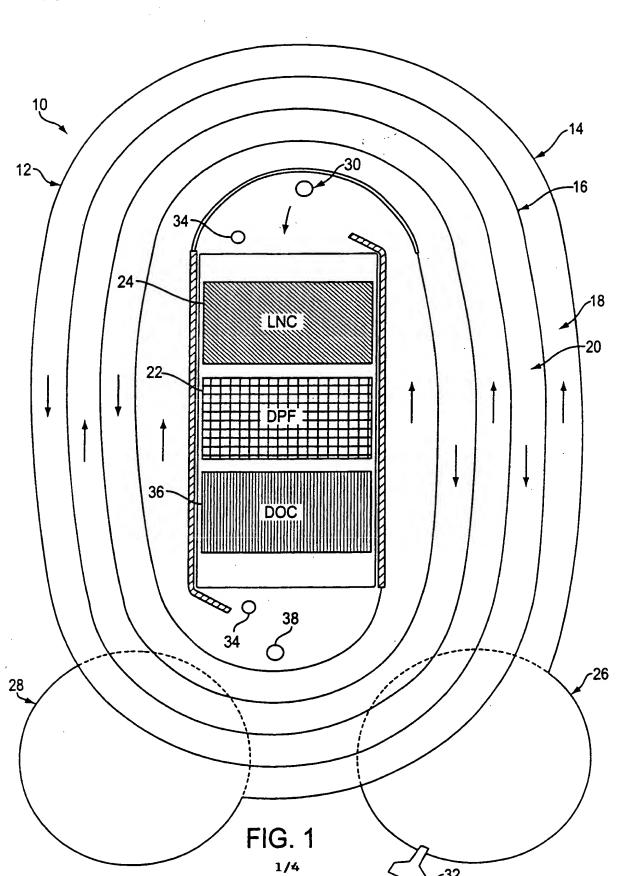
0 9 7 8 3 1 2 0 7 PCT/US99/26050

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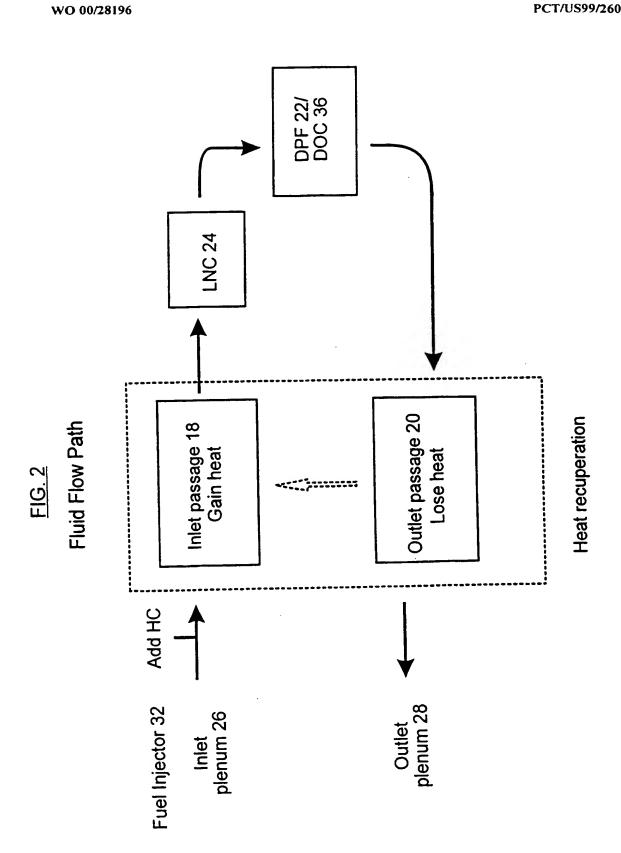
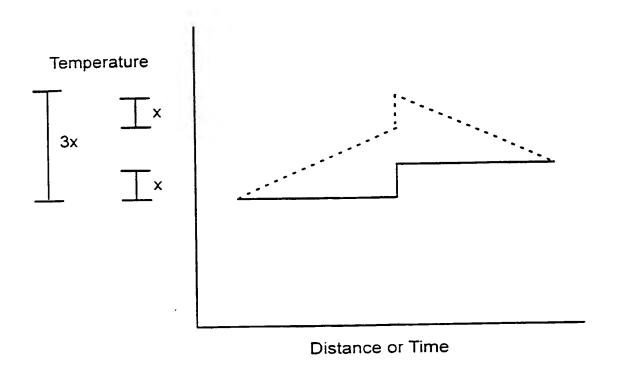


FIG. 3

Temperature Profiles Through Apparatus
With and Without Heat Recovery



--- Heat recovery (66% effective)

- No heat recovery

Distance or Time

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Temperature Profile Through Reaction Windows

NOx +HC Reduction Window PM, CO, HC Oxidation Window Transfer Heat Heat Input or Exothermic Reaction Preheat

Temperature

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